

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : **11-313059**

(43)Date of publication of application : **09.11.1999**

(51)Int.Cl.

**H04L 12/18**

**G06F 13/00**

**G06F 13/00**

**H04L 12/56**

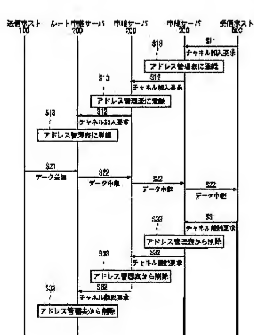
(21)Application number : **10-116577**

(71)Applicant : **NIPPON TELEGR & TELEPH CORP <NTT>**

(22)Date of filing : **27.04.1998**

(72)Inventor : **ISHIKAWA NORIHIRO  
MURANUSHI TOSHIHIKO**

## (54) MULTICASTING COMMUNICATION METHOD/SYSTEM AND STORAGE MEDIUM RECORDING MULTICASTING COMMUNICATION PROGRAM



(57)Abstract:

**PROBLEM TO BE SOLVED:** To provide push-type multicasting communication/system having real time property and scalability with respect to the increase of the number of reception hosts, and a storage medium recording a multicasting communication program.

**SOLUTION:** Data whose destination is a channel from a transmission host 100 are distributed to a reception host 500 through one repeating server 200 or a plurality of repeating servers 200 having tree structures where repeating routes are defined for the channels. The reception host 500 transmits a channel entry request message or an entry separation message to the repeating server 200 for requesting entry/separation to/from the channel. Upon receiving the pertinent message, the repeating server 200 registers or deletes the address of the reception host 500 or the slave repeating server 200 in/from an address

management table and repeats the pertinent message to the master repeating server 200.